## (19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 4 November 2004 (04.11.2004)

PCT

(10) International Publication Number WO 2004/094476 A2

- (51) International Patent Classification<sup>7</sup>: C07K 16/44, 14/47, G01N 33/53, A61P 35/00, C12N 15/12, 15/63, 15/09, A61K 31/7088, C07K 19/00
- (21) International Application Number:

PCT/US2004/011793

- (22) International Filing Date: 16 April 2004 (16.04.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/463,656

16 April 2003 (16.04.2003) US

- (71) Applicant (for all designated States except US): GENEN-TECH, INC. [US/US]; 1 DNA Way, South San Francisco, CA 94080-4990 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ACKERLY, Heidi [US/US]; Box 333, Star Route 2, La Honda, CA 94020 (US). ASHKENAZI, Avi [US/US]; 1456 Tarrytown Street, San Mateo, CA 94402 (US). EBERHARD, David [US/US]; #212, 360 Guerrero Street, San Francisco, CA 94103 (US). FRANTZ, Gretchen [US/US]; 135 San Benito Way, San Francisco, CA 94127 (US). FRENCH, Dorothy [US/US]; 318 Beacon Shores Drive, Redwood City, CA 94065 (US). FUH, Germaine [US/US]; 149 Amapola Avenue, Pacifica, CA 94044 (US). HONGO, Jo-Anne [US/US]; 31 Shaw Court, Redwood City, CA 94061 (US). LEE, Chingwei [CN/US]; Apt. 102, 165 Buckingham Way, San Francisco, CA 94132 (US). MARSTERS, Scot [US/US]; 990 Cherry Street, San Carlos, CA 94070 (US). PITTI, Robert [US/US]; 1110 Liberty Street, El Cerrito, CA 94530 (US). RAAB, Helga

[DE/US]; 715 Shields Street, San Francisco, CA 94132 (US). SOROCEANU, Liliana [RO/US]; Apt. 6, 3042 Sacramento Street, San Francisco, CA 94115 (US). VAR-FOLOMEEV, Evgeny [RU/US]; 7102 Shelter Creek Lane, San Bruno, CA 94066 (US). WOLF, Beni [US/US]; 607 Seasons Lane, Redwood City, CA 94065 (US).

- (74) Agents: SHIN, Elinor et al.; MS 49, 1 DNA Way, South San Francisco, CA 94080-4990 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS AND METHODS RELATING TO STOP-1

(57) Abstract: The present invention provides novel polypeptides, antibodies, antagonists, agonists, potentiators, nucleic acid molecules, compositions and methods relating to the STOP-1 polypeptide that are useful for treating and preventing diseases and for medical diagnosis and research. The present invention also provides consensus sequences and specific sequences for antibodies that specifically bind to STOP-1 that are useful in the methods described herein.